

UBC REPORTS

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November 17, 1994



Bob Eberle photo

Into The Woods

Julie Stobbe, Adele Clark and Doug Cameron (left to right) appear in the Stephen Sondheim play, *Into the Woods*, at the Frederic Wood Theatre through Nov. 26. A Theatre and Film Dept./School of Music co-production, the play is conducted and directed by UBC Music Prof. French Tickner. For ticket reservations and information, call the box office at 822-2678.

UBC reputation tops in Maclean's ranking

by Connie Filletti

Staff writer

UBC ranks first in the "best overall" and "leaders of tomorrow" reputational categories among Canadian universities offering medical/doctoral degrees in the fourth annual ranking by Maclean's magazine.

Results of Maclean's reputational ranking are based on a survey of more than 1,000 public leaders, chief executive officers of major corporations, academic administrators and high-school guidance counsellors across Canada.

"We are delighted that for the second straight year, UBC is ranked number one in these two categories," said UBC President David Strangway.

"It acknowledges what we have known for a long time — that UBC is a leading institution of teaching and research with outstanding faculty and staff."

The 1994 Maclean's survey divides 36 Canadian universities into three categories — medical/doctoral, comprehensive and primarily undergraduate — and ranks them on 22 performance measures including number of grants, average grade of incoming students, class size and alumni support.

As in the previous two years, UBC placed fourth in the medical/doctoral category's overall ranking. This year, the University of Toronto took top spot, followed by Queen's University in second and McGill University third.

The University of Victoria tied with the University of Waterloo for first place in the comprehensive category of universities with a significant amount of research activity and a wide range of programs — including professional degrees — at the graduate and undergraduate levels.

Fifteen universities did not participate in this year's survey, citing the magazine's method of rating schools as "virtually worthless," according to a recent Globe and Mail story.

Fall Congregation 1994

Pianist, former PM receive degrees

by Gavin Wilson

Staff writer

A former prime minister, a jazz legend, a Gulf Islands writer, an environmental scientist and a leading figure in international business will receive honorary degrees from UBC at the Fall Congregation ceremony Nov. 24.

Nearly 1,800 students are eligible to receive their degrees during ceremonies in the War Memorial Gymnasium held at 9:30 a.m. and 2:30 p.m.

In addition to the academic degrees, five honorary degrees will also be conferred during the ceremonies. The degree recipients are:

John Turner, a UBC graduate and Rhodes Scholar, has held various cabinet portfolios, most notably as minister of finance, minister of justice and solicitor general of Canada, before being sworn in as the country's 17th prime minister in 1984.

As justice minister, Turner made a significant contribution to the Canadian judicial system, establishing the Law Reform Commission and playing a major role in the creation of the Federal Court of Canada.

Koichiro Ejiri is one of Japan's most respected business leaders. His efforts to build economic ties around the globe have been recognized by the state of New York, the Emperor of Japan, and the governments of Brazil and Mexico.

As co-chair of the Canada-Japan Forum 2000, he has devoted his skill and energy to building closer ties between the two countries.

Both Ejiri and Turner will receive their degrees at the 9:30 a.m. ceremony.

The artistry of Montreal-born jazz pianist **Oscar Peterson** has been described as "at once dazzling and eloquent" and ranks him among the world's greatest living jazz musicians.

Since 1950, he has won 12 citations as jazz pianist of the year from Down Beat magazine, four Grammy awards from the National Academy of Recording Arts and Sciences, 10 honorary doctorates, the Companion of the Order of Canada and the Chevalier of the Order of Quebec. In recent years, Peterson has devoted increasing time to composition.

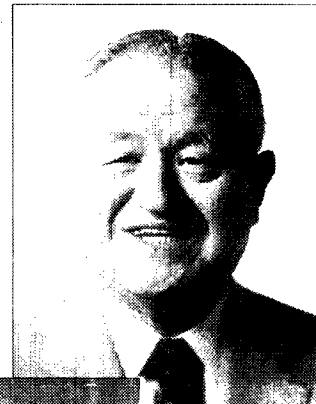
Novelist and short story writer **Audrey Thomas** is one of Canada's foremost contemporary writers. Her works include the novel *Intertidal Life*, which was nominated for the Governor General's Award in Fiction in 1984.

A UBC graduate and resident of Galiano Island, she is internationally recognized for her sharply detailed, witty and sometimes painful accounts of modern life.

UBC Prof. Emeritus **Vernon Brink** has dedicated his life to environmental conservation and served as a professor in the Dept. of Plant Science. His first appointment at UBC was in the Dept. of Agronomy in 1940.

As an academic, professional and ardent naturalist, he has combined a love of the natural world with the training and expertise of a scientist.

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Ejiri



Brink

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Dolph Schluter's fish studies prove the role of competition in evolution

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Academic and practical experience is putting Forestry grads to work

Letters

Catering to cars a mistake

Editor:

I am writing in support of the position taken by Anthony Dawson (*UBC Reports*, Oct. 20) regarding the decision by Campus Planning to allow vehicle traffic on the West and East malls of the campus. I cannot imagine what feat of logistical manoeuvrings it took to come to the conclusion that this was in the best interest of the university. To my mind, the lack of traffic in the university core was one of the most pleasant things about UBC. There are few places in this city where one can walk, or cycle, push strollers or wheelchairs without having to defend oneself against a

barrage of motor vehicles. In a sense this was almost "sacred" space, a place where pedestrian and cyclist fears could be quieted, where you could meander, lost in thought perhaps (if stimulated by some classroom lecture or discussion); where it was the occasional car or truck that had to kowtow and conform. This new arrangement has changed all of that.

As far as I can see, the only benefit this new system holds is for vehicle drivers: it is now easier to get around the campus by car. Wonderful! Those new parking lots we're building should help them too! For a university which professes to be on the "cutting edge"; whose president was chair of the commission which published the report "Sustaining The Living Land"; whose teachers (at least the many I've had) expound the need for change and the adverse effects of the automobile, you are not setting a very good example.

I, like Mr. Dawson, sincerely

hope that Campus Planning will reverse this "extremely bad decision." I further hope that it will, in future, both consult with those people who will be affected by their decisions, and plan for the hindrance of automobiles on campus, not their facilitation.

Cindy Sutherland
School of Community and Regional Planning

Stating the obvious

Editor:

Re: your front page headline in the Nov. 3 issue of *UBC Reports*, "Researcher named to new physics chair": Are we to assume that a ditch digger might have been appointed or, perhaps, that holders of unendowed chairs are not researchers?

James O. Caswell
Professor and Head
Dept. of Fine Arts

Degrees

Continued from Page 1

Long before the term became fashionable, Brink promoted sustainable development and the need for sound management of renewable resources. He has received many honours, including the Order of Canada and the Order of B.C.

Peterson, Thomas and Brink will receive their degrees during the afternoon ceremony.

Also being honoured during Congregation is a member of UBC's staff who is being recognized for her distinguished contributions to the university.

Maureen Douglas, assistant to the dean in the Faculty of Science, will be presented with the President's Service Award for Excellence during the afternoon ceremony.

Douglas began her association with UBC as an undergraduate student 40 years ago. She worked in the Zoology Dept. after graduation and joined the dean's office in 1963. She has since served with four deans.

Douglas will receive a gold medal and \$5,000. Four other UBC staff and faculty members received service awards at Spring Congregation.

JANE BAKER PRODUCTIONS
presents



Sunday, November 27, 1994
8:00pm Vogue Theatre
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This group of seven musicians evokes the colours of Chile through their songs and their more than 30 instruments. Inti Ilumani creates an irresistible hybrid of sound (jazz, contemporary European, and Latin American) capturing a spirit that crosses all boundaries.

Sponsored by the Vancouver Chilean Cultural Committee to support Monte Patria Youth Centre, 4th Region, Chile.
c/o CoDevelopment Canada.

New Telephone Numbers for UBC Continuing Studies

Our administrative offices in Carr and Duke Hall join UBC's 822 exchange the **week of November 14, 1994**. Watch for our new numbers in the 1994-95 Faculty and Administrative Directory (to be distributed this month).

Key listings for the Continuing Studies non-credit departments affected by the change:

☎ Administrative Services (Accounting, Computing and Marketing Services)	822-1444
☎ Arts, Humanities and Public Affairs	822-1450
☎ Computer Science	822-1420
☎ Educational Travel and Field Studies	822-1450
☎ English Language Institute	822-1555
☎ Intercultural Training and Resource Centre	822-1436
☎ Retirement Planning	822-1433
☎ Science and Environmental Studies	822-1450

If you have difficulty reaching us during the transition, please call 222-2181 or fax 222-5283.

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Friday, December 2nd, 1994
8:00 p.m.

HANDEL	<i>Concerto a Quattro D Major</i>
BACH	<i>Suite in C Major (Solo Cello)</i>
CORELLI	<i>La Folia</i>
BACH	<i>Partita in E Major (Solo Violin)</i>
HANDEL	<i>Concerto a Quattro D Minor</i>

West Point Grey United Church
4598 West 8th (at Tolmie)

Tickets available at the door:
Adults \$16, Students and Seniors \$13

We gratefully acknowledge the support of the City of Vancouver



UBC REPORTS

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UBC Reports welcomes the submission of letters and opinion pieces. Opinions and advertising published in UBC Reports do not necessarily reflect official university policy.

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Video link venture connects Canadian, Chinese universities

by Abe Heffer

Staff writer

Around-the-clock electronic video link has been established between UBC and six other universities as part of a unique Canada-China university partnership.

The Canadian universities involved are UBC, McGill University, University of Toronto, and l'Université de Montreal. They have joined with three of China's largest research universities, Peking, Tsinghua and Nankai, in a collaborative effort to generate graduate research and other activities in mathematical science, biotechnology, law, business, economics, environmental management and cross-cultural communications.

The electronic video link, dubbed C-Net, was established by Bernard Sheehan, UBC associate vice-president, Computing and Communications, with technical assistance from Teleglobe Canada, BC Tel and Sprint International.

The video link, which will enable all seven universities to be co-operatively involved in laboratory, seminar and teaching activities, was formally inaugurated Nov. 8 in Beijing. There, UBC President David Strangway and Peking University President Wu Shuqing were joined by presidents Robert Prichard of Toronto, Rene Simard of Montreal, and Bernard Shapiro of McGill at their respective campuses through a video conference. Representatives of the other two Chinese universities also participated.

"It is a very auspicious occasion for us, six months to the day from the date on

which we signed the agreement," said Strangway from Beijing.

"Much progress has been made in those six months. We will be discussing the plans for developing the full-fledged proposal that we hope will be ready early in the new year, perhaps February of 1995," he said.

One of the partnership's first initiatives will be to identify and remove the myriad of institutional and governmental barriers that now hinder full interaction between member universities, said UBC Law Prof. Ivan Head, the Canadian partnership co-ordinator.

"Each of the university presidents involved is committed to a new form of co-operation, one which will allow selected graduate students to pursue joint research projects," he said.

In late August, an intensive workshop involving several of the universities was held at UBC, where a theme of water resource management was developed as a priority for the group.

The member universities are currently embarking on an interdisciplinary study of Chinese and Western cultural and social concepts. In addition, member universities will offer a 30-hour, one-semester course in biotechnology at the graduate level in Beijing, beginning in January, 1995. The teaching load will be shared by the seven universities, with English as the language of instruction.

Working groups are currently examining other innovative research and teaching activities.



Gavin Wilson photo

Dolph Schluter of the Zoology Dept. used stickleback fish, similar to the ones in the tanks behind him, to produce the first experimental proof of the role of competition between species in natural selection.

Competition key to evolution, study shows

by Gavin Wilson

Staff writer

A UBC Zoology professor has advanced the first experimental proof for one of the most important and controversial aspects of evolution theory — that competition drives the process of natural selection.

In a paper published in the Nov. 4 issue of the American journal *Science*, Assoc. Prof. Dolph Schluter reports he was able to verify that competition for food and habitat is what propels the evolution of differences between species.

"The effect was dramatic and unmistakable," he said.

Schluter and his colleagues raised thousands of stickleback fish in ponds on the UBC campus to show that the process of natural selection is altered when a competing species is introduced to a habitat.

The role that competition for resources plays in the evolution of diversity is a matter of intense debate among scientists. Until now, Schluter said, all the evidence was indirect and based on comparisons.

"The purpose of the experiment was to see if we could measure the process of natural selection through competition," Schluter said.

"No one had been able to measure the consequences of competitive pressures before. It's not easy, but the sticklebacks make very convenient experimental tools."

Sticklebacks are small fish commonly found in lakes and the Pacific Ocean along the B.C. coast. In most lakes there is only one species of stickleback, but a colleague of Schluter's, UBC Zoology Prof. Donald McPhail, discovered that in some there are two. One feeds primarily in open

water on plankton and another on insect larvae and larger organisms found on lake bottoms. The two are also very different in body form.

Fish found in single-species lakes are an intermediate species, feeding on both plankton and bottom organisms and have an intermediate body form.

McPhail proposed that the plankton-eating stickleback originally came from the ocean and managed to colonize some lakes that already contained a single species of freshwater stickleback. Forced to compete with the newcomers, he and Schluter theorized, the freshwater fish evolved a different body form and became the bottom-feeding species found today.

Schluter used 13 ponds on the UBC campus and bred 20,000 sticklebacks to try to replicate this natural event. Plankton feeders from one of the two-species lakes were put into the same pond as intermediate sticklebacks from a single-species lake.

The result: the intermediate sticklebacks that were most different in diet and body form from the plankton feeders showed the highest growth rate. They were being favoured by natural selection.

"There was a bumping process in terms of behaviour," Schluter said. "The intermediate fish started to shift toward eating organisms on the lake bottom, and those whose body forms were best suited to this new lifestyle grew most rapidly."

Armed with this new information, the researchers calculated that it would take only 500 years for the intermediate sticklebacks to evolve into the bottom-feeding species found today.

This sits well with the geological evidence that the two species have been in lakes together for only a few thousand years.

Offbeat

by staff writers

UBC is famous for its lush and verdant campus, but few people know how some of its most outstanding trees originally arrived here.

Kristine Kelly, a gardener with Plant Operations, learned their history while fighting to save another oasis of green in the increasingly urbanized Lower Mainland.

She's a member of the Riverview Horticulture Centre Society, which is dedicated to the preservation of the Riverview Hospital grounds in Coquitlam as a public park. It's a little known fact that the hospital grounds are the site of a historical arboretum that is open to the public.

The future of these trees is threatened, however. The provincial government agency that controls the land is thinking about turning it into housing.

"We want people to realize what a real treasure we have at Riverview," Kelly said.

To help spread the word, the society published a book, *The Riverview Lands: Western Canada's First Botanical Garden*, to which Kelly contributed.

It tells the story of how John Davidson, B.C.'s provincial botanist and the founder of UBC's Botanical Garden, developed the Riverview lands and its adjacent Colony Farm as a nursery and botanical garden where he propagated seeds and plants sent to him from around the world.

Davidson's nurseries produced trees used to landscape highways and public buildings all over B.C., including the provincial legislature in Victoria.

In 1916, with the brand-new University of British Columbia still located in Fairview, Davidson arranged to have 34 hectares of Point Grey land cleared, with two hectares set aside to become the new botanical garden, the first at a Canadian university.

Davidson had more than 25,000 plants of 900 different species transported here from Riverview — a massive job, and done entirely by horse-drawn cart.

No one knows how many of those original plantings still exist, but the legacy includes the magnificent oak trees of Main Mall and the exotic species found in the remnants of the Old Arboretum. Many descendants of the plants live on in the current Botanical Garden.

"When I started working at UBC two months ago, I thought it would be really poignant if after all these years, the university gave a tree back to Riverview in memory of John Davidson. It would complete the circle," Kelly said.

She pitched the idea to her supervisors at Plant Operations, who enthusiastically endorsed it.

The right occasion was just around the corner. The first annual Festival of Trees was held at Riverview on Oct. 30, an event that brought together various Arbor Day celebrations held around the Lower Mainland.

The day was capped with a ceremonial planting of a Snake Bark maple (*Acer capillipes*), donated by the university and commemorated with a plaque. It is UBC's way of saying, "thanks, John."



Flight Path

Barbara Whyte of Vancouver was the grand prize winner in the Path of Learning draw held during Homecoming '94 last month. Whyte, joined in the photo by Ron Burke of the Development Office, won two executive first-class tickets to any of Air Canada's European destinations. The Path of Learning was co-sponsored by Air Canada and the Vancouver Sun and was co-ordinated by the Development Office.

John Chong photo

Calendar

November 20 through December 3

Sunday, Nov. 20

Museum of Anthropology
South Asian Classical Dance (Odissi Dance) with Gargy Banerjee. MOA theatre gallery at 2:30pm. Free with museum admission. Call 822-4604.

Monday, Nov. 21

Trade Show
Continues to Dec. 2. AMS Annual Christmas Gift Fair. SUB main floor from 9am-5pm. Call 822-3465.

Museum of Anthropology Holiday Sale
Continues to Nov. 27. Artist demonstrations; arts and crafts from India. MOA lobby. Call 822-5087.

Plant Science Seminar
Positioning The Agriculture/Agri-food Canada Research Branch For The 21st Century. Dean Struble, PARC. MacMillan 318-D at 12:30pm. Call 822-9646.

Asian Studies Graduate Student Colloquia
The Bamboo Cutter - as reimagined in the tale, Partings At Dawn; The Angel As Cross-Dresser? Robert Khan, Asian Studies. Asian Centre 604 from 12:30-1:30pm. Call 822-3881.

Applied Mathematics Colloquium
Ocean Wave Interactions With Structures. Prof. Michael Isaacson, Civil Engineering. Math 203 at 3:30pm. Call 822-4584.

Mechanical Engineering Seminar
Bubble Dynamics In Convective Boiling. Harland MacKenzie, PhD student. Civil/Mech Engineering 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

Faculty Development Seminar
Biomedical Ethics. Vincent Sweeney; Alister Browne; Marc Broudo; Sheila Dyer. Seminar Room, David Lam Building (use entrance outside Trekkers) from 3:30-5pm. Call 822-9149.

Hearing Accessibility Research Seminar
UBC: The Classroom Acoustical Survey. Dr. Murray Hodgson, Occupational Hygiene/Mechanical Engineering. Mather Annex #2 at 4pm. Fully hearing accessible. Call 822-3956.

Green College Science/Society Seminar
Junk Science. Readings and references are available in advance from the College office. Green College Coach House at 8pm. Call 822-8660.

Tuesday, Nov. 22

MOST Course
The Student As Client. Carol Gibson; Blair Grabinsky; Diane Kent. Brock Hall 0017 from 9am-12pm. Refreshments. Call 822-9644.

Botany Seminar
The University, The State And The Plant Life Of B.C. Dr. Jim Pojar, Forest Science Officer, B.C. Ministry of Forests, Botany. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Pharmaceutical Sciences Seminar
The Role Of Isocyanate Metabolism In The Mechanism Of Toxicity Of Nitrosoureas And Formamides. Anthony Borel, grad student, Pharmaceutical Sciences. IRC #3 from 12:30-1:30pm. Call 822-4645.

Animal Science Seminar Series
Aquaculture In South Brazil. Luis Orlando Afonso, PhD student, Animal Science. MacMillan 260 at 12:30pm. Refreshments. Call 822-4593.

Centre for South Asian Research Seminar
Integrating Culture Into Our Life: Indo-Canadian Youth In Vancouver. Dr. Evelyn Nodwell, sessional lecturer, Anthropology/Sociology. Asian Centre 604 from 12:30-2pm. Call 822-2629.

MOST Course
Disability Awareness. Janet Mee. Brock Hall 0017 from 1-4pm. Refreshments. Call 822-9644.

Lectures in Modern Chemistry
Do Oil And Water Mix? Nonlinear Optical Studies Of Oil/Water Interfaces. Prof. Geraldine Richmond, Chemistry, U. of Oregon. Eugene. Chemistry 250, south wing at 1pm. Refreshments at 12:40pm. Call 822-3266.

Pharmaceutical Sciences Seminar
Eeney Meeney Miney Mo - Clinical Decision Analysis. Suzanne Mallair, PhD student, Clinical Pharmacy, Pharmaceutical Sciences. University Hosp. G-279 from 4-5pm. Call 822-4645.

Graduate/Faculty Christian Forum Colloquium
Second of Five. The Making Of Modern Secularism: Karl Marx And The Primacy Of The Critique Of Religion. David Ley, Geography. Buchanan Penthouse at 4:15pm. Refreshments at 4pm. Call 822-3268.

Medical Genetics Seminar
Progress Toward Gene Therapy For Lipoprotein Lipase Deficiency. Dr. Suzanne Lewis, clinical assistant professor, Medical Genetics. Westbrook 201 from 4:30-5:30pm. Refreshments at 4:15pm. Call 822-5312.

Green College Seminar
Let Truth And Falsehood Grapple: A New Argument Against Censorship. Andrew Irvine, Green College Coach House at 5:30pm. Call 822-8660.

Wednesday, Nov. 23

Microbiology/Immunology Seminar
Characterization Of The Catalytic Domain Of CcnA: Determination Of The Amino Acids Directly Involved In Catalysis And Their Function. Howard Damude, Microbiology/Immunology. Westbrook 201 from 12-1:30pm. Call 822-3308.

Wednesday Noon Hours
The Lafayette String Quartet With Andrew Dawes, violin; Rena Sharon, piano. Music Recital Hall at 12:30pm. \$2.50 admission. Call 822-5574.

Forest Sciences Seminar
Disturbance In The Forest Landscape: Can We Mimic The Effects Of Natural Disturbance In Our Environment? Prof. Hamish Kimmins, Forest Sciences. MacMillan 166 at 12:30pm. Call 822-6019.

Centre for Japanese Research Seminar
Culture And Self. Steve Heine, grad student, Psychology. Asian Centre music room from 12:30-2pm. Call 822-2629.

Geography Colloquium
Millimeter Meteorology. Dr. Philip Austin, Atmospheric Science. Geography 201 at 3:30pm. Refreshments. Call 822-4929.

Biodiversity Research Centre
Advances In Killer Whale Population Dynamics. Dr. John Ford, Vancouver Aquarium, UBC Zoology. Family/Nutritional Sciences 60 at 4:30pm. Call 822-4239.

Comparative Literature Colloquium
Chinua Achebe's Anthills Of The Savannah: For A Semantics Of Irony. Gloria Onyeoziri, French. Green College Coach House at 5:30pm. Call 822-8660.

Musical Theatre
Continues through Nov. 26. Into The Woods by Stephen Sondheim. UBC Opera Theatre. Theatre/Film Dept. Frederick Wood Theatre at 8pm. Call 822-2678.

Thursday, Nov. 24

Continuing Studies Hazardous Waste Management Seminar
A 2-day seminar, hosted by UBC/ sponsored by B.C. Environment/ Environment Canada, addressing various waste management issues including latest government regulations. Various speakers. Four Seasons Hotel, W. Georgia St. from 8:30am-4:30pm. Lunch included in registration of \$360 or \$180 per day. Limited no. of reduced rates available for students/groups. Call 822-3347.

MOST Course
Supervisory Skills: A Step Further. Mary Stott. Brock Hall 0017 from 9am-4pm. Refreshments. Call 822-9644.

Students for Forestry Awareness Lecture
Environmentalism And Forest Practices. Patrick Moore, chair, Alliance Forest Practices Committee, Forest Alliance. MacMillan 166 from 12:30-1:30pm. Refreshments. Call 822-2727.

UBC International Forum Lecture
Globalization And Fragmentation: The Latin American Perspective. Dr. Abe Lowenthal, dir., Center for Int'l. Studies, U. of S. Calif. IRC #6 from 12:30-2pm. Call 822-9546.

Mathematics Colloquium
Please note the change in date from Fri. to Thur. for this colloquium. Groups As Galois Groups: A Partial Survey. Dr. Jack Sonn, Mathematics, Technion, Haifa. Math 104 at 3:30pm. Refreshments at 3:15 in Math Annex 1115. Call 822-2666.

Physics Colloquium
Nanoscience And Technology: A Semiconductor Perspective. Jeff Young, Physics. Hennings 201 at 4pm. Call 822-3853.

Music Concert
Collegium Musicum. John Sawyer/Morna Edmundson, directors. Music Recital Hall at 8pm. Call 822-5574.

Friday, Nov. 25

Pediatrics Grand Rounds
Apoptosis And The Pediatric Kidney. Dr. David Lirenman, professor/head, Nephrology. GF Strong auditorium at 9am. Call 875-2307.

Health Care/Epidemiology Rounds
Regionalization: The Challenges In Health Care Reform. Sue Rothwell, New Directions Development Div.; Sharon Martin, Regional Coord., City of Vancouver. Mather 253 from 9-10am. Free parking available in B-Lot or on Fairview Crescent. No parking passes available. Call 822-2772.

Occupational Hygiene Programme Seminar
A Report On The October/94 IARC Evaluation Of The Carcinogenicity Of Wood Dust And Formaldehyde. Dr. Paul Demers, Occupational Hygiene. Civil/Mech Engineering 1202 from 12:30-1:30pm. Call 822-9595.

Pharmaceutical Sciences Seminar
Endothelin Regulation Of Cardiac Myocyte Function. Sung Ouk Kim, Pharmacology/Toxicology. IRC #3 from 12:30-1:30pm. Call 822-4645.

Law/Arts Joint Seminar
Nietzsche And The Law: A Conversation. J.C. Smith, Law; Prof. Richard Weisberg, Cardozo School of Law. Moderator: Prof. Steven Taubeneck, Germanic Studies. Curtis 149 from 12:30-2pm. Call 822-4394.

Chemical Engineering Seminar
Hydrocyclone Simulation. Dr. E.M. Sevilla, visiting scientist, Technical U. of Havana, Cuba. Chem Engineering 206 at 3:30pm. Refreshments at 3:15, #204. Call 822-3238.

Economics Seminar
The Impact Of Classroom Training On The Employment Histories Of Disadvantaged Women. John Hem, Pennsylvania U. Buchanan D-225 from 4-5:30pm. Call 822-8216.

Centre for Faculty Development/Instructional Services
Mentoring Event. Problem-solving, Social Evening, Dinner. Green College from 5-8:30pm. Call 822-0831.

UBC REPORTS

CALENDAR POLICY AND DEADLINES

The UBC Reports Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland.

Calendar items must be submitted on forms available from the UBC Community Relations Office, 207-6328 Memorial Road, Vancouver, B.C. V6T 1Z2. Phone: 822-3131. Fax: 822-2684. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the December 1 issue of UBC Reports — which covers the period December 4 to December 17 — is noon, November 22.

Curriculum Studies Colloquium
Continues Nov. 26. Writing Lives As Literature And History: An Interdisciplinary Exploration Of Biography And Curriculum. Various UBC speakers and Dennis Foon, playwright. Ponderosa cafeteria 7-9pm, Fri.; 8:30am-3pm, Sat. Free, limited registration. Call 736-1633.

Music Concert
UBC Choral Union. Diane Loomer, director. Music Recital Hall at 8pm. Call 822- 5574.

Saturday, Nov. 26

Vancouver Institute Lecture
Interventions In Trouble: Communication In Conflict. Prof. Robert Anderson., dir., School of Communication, SFU. IRC #2 at 8:15pm. Call 822-3131.

Monday, Nov. 28

Distinguished Medical Research Lecture 1993
Asthma: The Genes And The Environment. Dr. Peter Pare. Hurlburt Auditorium, Vancouver Hosp/HSC from 12-1pm. Call 822-8633.

Religious Studies Lecture
Islam, Fundamentalism, And Western Perceptions. Dr. Wilfred Cantwell Smith, professor emeritus, Islamic Studies, Harvard U. Buchanan A-202 at 12:30pm. Call 822-6523.

Plant Science Seminar
Recombinant Viruses For Insect Control. Bruce Hammock, U. of Calif., Davis. MacMillan 318-D at 12:30pm. Call 822-9646.

Mechanical Engineering Seminar
Wear Modelling: A Finite Element Approach. Srinivasan Iyer, PhD student. Civil/Mech Engineering 1204 from 12:30-1:30pm. Call 822-6671.

Tuesday, Nov. 29

Creative Writing Literary Reading
Dennis Denisoff reads from his latest novel, Tender Agencies. Buchanan E-458 at 10:15am. Call 822-0699.

Animal Science Seminar Series
Artificial Selection In Small Populations. Samuel Aggrey, PhD student, Animal Science. MacMillan 260 at 12:30pm. Refreshments. Call 822-4593.

Calendar

November 20 through December 3

Law Lecture

The Killing Fields of Burma. Kevin Heppner, Canadian Friends of Burma. Curtis 101 at 12:30pm. Call 822-3403.

Botany Seminar

Ethnobotany Of Mestizo People Of Zuni Mirano, Napo River, Peru. Eduardo Jovel, MSc student, Botany/Centre for Biodiversity Research. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Pharmaceutical Sciences Seminars

Taxol Delivery From Biodegradable Polymers. Chuck Winternitz, grad student, Pharmaceutical Sciences, IRC #3 from 12:30-1:30pm. Dantrolene In The Treatment Of NMS: Is It An Option? Shallen Letwin, PhD student, Clinical Pharmacy, Pharmaceutical Sciences, G-279 Vancouver Hosp-UBC Site from 4-5pm. Call 822-4645.

Lectures in Modern Chemistry

Molecular Sieve Materials And Historical Perspectives. Dr. Edith Flanigen, Tarrytown Technical Center, Union Carbide, Tarrytown, NY. Chemistry 250, south wing at 1pm. Refreshments at 12:40pm. Call 822-3266.

MOST Course

People With Disabilities In The Workplace. Janet Mee; Ruth Warick, Brock Hall 0017 from 1-4pm. Refreshments. Call 822-9644.

Faculty Development Seminar

Peer Advisors: Self-paced Learning Modules. Wendy Trigg; Elaine Carty; Marion Clauson. Seminar Room David Lam Building (use bsmt. entrance outside Trekkers) from 3-4:30pm. Call 822-9149.

Crisis Points Research Group Seminar

First of a series. Hypotheses Testing, Nonlinear Forecasting: The Search For Chaos In Human Behaviour. Prof. Lawrence Wap, Public is welcome. Refreshments. Call 822-5784.

Genetics Graduate Program Seminar

Conservation Genetics. Dr. Gene Namkoong, head, Forest Sciences. Westbrook 201 at 4:30pm. Refreshments at 4:15pm. Call 822-8764.

Green College Reading

Reading of his one-person play, Fronteras Americanas. Guillermo Verdecchia, actor/playwright. Green College Coach House at 5:30pm. Call 822-8660.

Object Identification Clinic

Tuesday is free night at the Museum of Anthropology. Featured: Clinic On Identification Of Objects/Conservation Advice. See MOA admission desk information. Call 822-5087.

Wednesday, Nov. 30

Forest Sciences Seminar

Rusts, Root Diseases, And Other Rots: Mechanisms Leading To Stability In Natural Pathosystems. Bart van der Kamp, assoc. prof., Forest Sciences. MacMillan 166 at 12:30pm. Refreshments. Call 822-6019.

Applied Mathematics Colloquium

Biological Pattern Formation: Matching Its Diversity With Diverse Forms Of Reaction-Diffusion Theory. Prof. Lionel Harrison, Chemistry. Math 203 at 3:30pm. Call 822-4584.

Microbiology/Immunology Seminar

Molecular Studies On Substrate Selectivity And Membrane Topology Of Pseudomonas Aeruginosa Outer Membrane Porin Protein OprD. Hongjin Huang, Microbiology/Immunology. Westbrook 201 from 12-1:30pm. Call 822-2308.

Centre for Biodiversity Research

Population Fluctuations In Tent Caterpillars: From Viruses To Sunspots. Dr. Judy Myers, Centre for Biodiversity Research. Family/Nutritional Sciences 60 at 4:30pm. Call 822-4239.

Green College 19th Century Studies Seminar

Prostitution, Bodies And Commodities. John McLaren, Law, U.Vic. Green College Coach House at 8pm. Call 822-8660.

Thursday, Dec. 1

UBC Board of Governors Meeting

Held in the TELEcentre, Room 112 of the University Services Building, 2329 West Mall. The open session begins at 9am.

Continuing Education/Applied Science Seminar

Energy: Costs, Codes And Conflicts. Geared to issues confronting architects and engineers. Various speakers. Edmonds Auditorium, BC Hydro, 6911 Southpoint Dr., Burnaby from 8:30am-5pm. \$160 registration includes lunch. Call 822-3347.

Computer Science Invited Speaker Seminar Series

2nd of 8. The Scientific Basis Of Rendering. Prof. Pat Hanrahan, Computer Science, Stanford U. CICS/CS 208 from 11:30am-1pm. Call 822-0557.

Students for Forestry Awareness Lecture Series

Fisheries/Forestry Guidelines: Compliance. Derek Tripp, Fisheries biologist, Nanaimo. MacMillan 166 from 12:30-1:30pm. Refreshments. Call 822-2727.

Philosophy Colloquium

Church In The Night: The Shipboard/Denial Debate On Filling-in. Kathleen Akins, Philosophy, SFU. Buchanan D-348 from 1-2:30pm. Call 822-3292.

Physiology Lunchtime Public Symposium

Who Should Plan Our Campus? What Should It Look Like? Speakers to include Mark Betteridge, president, UBC Real Estate Corp. Curtis 101 from 12:30-1:30pm. Refreshments. Call 822-5684.

Dean's Special Seminar

Politics And Values In The Management Of Agricultural Risks. (The Politics Of Risk Assessment). Dr. Conrad Brunk, Philosophy, U. of Waterloo. MacMillan 160 at 12:30pm. Call 822-3105.

Physics Colloquium

Theme School On New Materials And Their Impact On Society. A. John Berlinsky, McMaster U. Hennings 201 at 4pm. Call 822-3853.

Friday, Dec. 2

Pediatrics Grand Rounds

Adolescent Health Survey: The Next Step. Dr. Roger Tonkin, Pediatrics. GF Strong auditorium at 9am. Call 875-2307.

MOST Course

University Governance. Angela Runnals; Gaylea Wong. Brock Hall 0017 from 9am-12pm. Refreshments. Call 822-9644.

Health Care/Epidemiology Rounds

HIV: Current Issues. Dr. Mike O'Shaughnessy, director, B.C. Centre for Excellence in HIV/AIDS. Mather 253 from 9-10am. Free parking available in B lot. Call 822-2772.

Notices

Student Housing

A new service offered by the AMS has been established to provide a housing listing service for both students and landlords. This new service utilizes a computer voice messaging system. Students call 822-9844, landlords call 1-900-451-5585 (touch-tone calling) or 822-0888, info only.

Grad Centre Activities

Dance To A Latin Beat. Every Wed. at the Graduate Centre at 8:30pm. To find out more about Mon. movies, Tues. pool tourney, Thurs. coffee house and Fri. folk, call the hot-line at 822-0999.

Campus Tours

School and College Liaison tours provide prospective UBC students with an overview of campus activities/faculties/services. Fridays at 9:30am. Reservations required one week in advance. Call 822-4319.

Disability Resource Centre

The centre provides consultation and information for faculty members with students with disabilities. Guidebooks/services for students and faculty available. Call 822-5844.

UBC Libraries

Library branches and divisions will offer more than 100 training/tutorial sessions this fall. Learn how to use the online catalogue/information system, or one of more than 75 electronic databases in the library. Check branches/divisions for times and dates. Call 822-3096.

Writing Course

The UBC Writing Centre offers a one-term non-credit writing course in language and composition to assist students preparing for 1st yr. English/LPI. Non-UBC students are welcome. Call 822-9564.

Pharmaceutical Sciences Seminar

Natural Product Drugs In The Therapy Of Asthma/Allergy. Dr. John Langlands, Inflazyme Pharmaceuticals Ltd. IRC #3 from 12:30-1:30pm. Call 822-4645.

Law Seminar Series

Taxing Times For Lesbians And Gay Men: Equality At What Cost? Claire Young, Law. Curtis 149 from 12:30-1:30pm. Call 822-3151.

Fisheries Centre Seminar

The Management Of High-Sea Fisheries Resources. Dr. Gordon Munro, Economics. Ralf Yorke room, Fisheries Centre, (Hut B-8) from 1:30-2:30pm. Call 822-2731.

Mathematics Colloquium

Combinatorial Laplacians And

Computing Betti Numbers. Joel Friedman, Mathematics. Math 104 at 3:30pm. Refreshments at 3:15pm in Math Annex 1115. Call 822-2666.

Music Concert

UBC Chamber Orchestra. Paul Luchkow, violin soloist; Jesse Read, conductor. Music Recital Hall at 8pm. Call 822-5574.

Saturday, Dec. 3

Vancouver Institute Lecture

The Generals: The Canadian Army's Senior Commanders in WW II. Dr. Jack Granatstein, Distinguished Research Professor of History, York U. IRC #2 at 8:15pm. Call 822-3131.

hours of free advice is available for selected clients. Call 822-4037.

Clinical Research Support Group

CRSG operates under the auspices of Health Care/Epidemiology to provide methodological, biostatistical, computational and analytical support for health researchers. Call 822-4530 for an appointment.

Faculty and Staff Volleyball
Mondays/Wednesdays Gym B, Osborne Centre at 12:30pm. Drop-in or attend regularly for recreation. Call 822-4479.

Surplus Equipment Recycling Facility (SERF)

Disposal of all surplus items. Every Wednesday, 12-5pm. Task Force Bldg., 2352 Health Sciences Mall. Call Vince at 822-2582/Rich at 822-2813.

Fine Arts Gallery

Open Tues.-Fri from 10am-5pm. Saturdays 12pm-5pm. Free admission. Basement of Main Library. Call 822-2759.

Nitobe Garden

Open Mon.-Fri. from 10am-2:30pm. Call 822-6038.

Botanical Garden

Open daily from 11am-5pm. Shop In The Garden, call 822-4529; garden information, 822-9666.

Speakers Wanted

Eastern Europe & Russia: A perspective. Third annual symposium, focusing on these areas. Any faculty, staff or student who has travelled, worked or studied in these areas in 1994 is welcome as a speaker. Call Jane at 222-9225 or 222-4492.

Music Fest

Sunday, November 20, 1:30 -5:30 p.m.

Acadia Park Commons Block Auditorium

2707 Tennis Crescent. Park by high school off Acadia Rd. or B-Lot off Westbrook

Featuring: **Pastime with Good Company**, mixed voice multi-cultural choir; **Malonie**, sings jazz standards; **The Blue 2**, improv piano & violin; **The Long Train Riders**, folk roots street funk; **Horsefeathers Ensemble Project**, traditional to contemporary North American folk roots, funky blues and Latino rhythms.

Benefit for Pacific Spirit Daycare and Kindergarten

Kids/Seniors \$2.00, Adults \$5.00 Phone 822-5420 for ticket info



Tea Cup

Running back Connie "Bulldozer" Fraser, right, from the School of Nursing makes an end sweep around defenders during the annual Tea-Cup football game held Nov. 4 between teams from the schools of Nursing and Rehabilitation Medicine. Nursing won the hard-fought, full-contact game 6-0. Held during Nursing Week, the game raised \$315 for B.C.'s Children's Hospital.

Gavin Wilson photo



News Digest

UBC Food Group will once again make study space available in the Student Union Building cafeteria during the winter term.

The cafeteria, now known as Pacific Spirit Place, will be open for study between 3 p.m. and 11 p.m., Sunday through Thursday, until Dec. 8 and then again from Jan. 23-April 6. Study space will not be available on Friday and Saturday.

This project was initiated last year on a pilot basis late in the second term and proved popular with students studying for final exams, according to Byron Hender, executive co-ordinator, Student and Academic Services.

"There is increasing pressure on the university to provide students with study space on campus. We'll continue to look for other opportunities to make suitable space available," said Hender.

Playwright Dennis Foon, author of *The New Canadian Kid* and other plays about youth, will recite from his works during Writing Lives as Literature and History: An Interdisciplinary Exploration of Biography and Curriculum on Nov. 25.

The one-day conference, taking place in the Ponderosa Cafeteria, will provide an interdisciplinary look at issues of memory and history, fiction and truth as they are expressed through life stories.

The conference is part of the B.C. Consortium for Humanities and Social Sciences year-long curriculum and professional development project based at UBC which was launched in September.

Registration for the conference is limited and the deadline is Nov. 18. For more information, call 736-1633.

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UBC's soccer teams came within a whisker of a 1994 CIAU sweep for Dick Mosher who coaches both squads.

The men took the CIAU title with a 5-0 victory over the University of Alberta Nov. 13, with Mosher's son and assistant coach, Mike, at the helm. The women lost to Dalhousie after a scoreless overtime and Dalhousie's 5-4 penalty kick win.

Meanwhile, the UBC women's field hockey team finished third at the Canadian Interuniversity Athletic Union championships Nov. 3-5 in Calgary.

The T-Birds, who had a regular-season record of six wins, one loss, and five ties, beat York University 1-0 in the bronze-medal match.

On the football front, wide receiver Andrew English has been named to the Canada West University Athletic Association all-star team.

The third-year Science student made a Canada West-leading 56 receptions this year, for a total of 787 yards and four touchdowns.

Official UBC community plan coming, UEL to hold referendum, Marzari says

by Gavin Wilson

Staff writer

In a little more than a year the UBC campus will have an official community plan in place, Municipal Affairs Minister Darlene Marzari said during a meeting at the university Nov. 7.

Residents of the University Endowment Lands will also hold a referendum to determine how they wish to be governed, she added.

"I think it's time they had their own form of government, their own tax base and the ability to make their own decisions," Marzari said to an audience of about 30 people who came to hear her speak on the planning process at UBC.

The UEL is part of electoral area "A" of the Greater Vancouver Regional District, but as an unorganized municipality is run by the provincial Ministry of Municipal Affairs.

Marzari said that an official community plan should be in place by December, 1995 — the result of a proposed agreement between the university and the GVRD to co-operate in the development of the plan with full public process.

"New development at UBC will occur in the context of the plan," she said. "The official community plan offers a chance for input from those who feel they

haven't been heard."

Marzari said the report on campus development prepared by consultant Ray Spaxman set out a possible framework for the plan.

She said the plan will contain a strong commitment to public consultation and participation

and a strong commitment from UBC and the UEL "to continue talking to each other."

"Get the right people together with the right motivation and things start to percolate," she said. "We now have the beginnings of something we can all live with."

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Dr. Michael Marshall
Executive Director
Tel: 822-4145 Fax: 822-9144

Classified

The classified advertising rate is \$15 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Community Relations Office, 207-6328 Memorial Road, Vancouver, B.C., V6T 1Z2, accompanied by payment in cash, cheque (made out to UBC Reports) or internal requisition. Advertising enquiries: 822-3131.



The deadline for the Dec. 1, 1994 issue of UBC Reports is noon, Nov. 22.

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Accommodation

POINT GREY GUEST HOUSE A perfect spot to reserve accommodation for guest lecturers or other university members who visit throughout the year. Close to UBC and other Vancouver attractions, a tasteful representation of our city and of UBC. 4103 W. 10th Ave. Vancouver, B.C. V6R 2H2. Call (604) 228-8635.

GREEN COLLEGE GUEST HOUSE This tranquil setting near the Museum of Anthropology is the ideal location for visiting scholars to UBC, both short and long term. Daily Rate \$50, Weekly \$250. Call 822-8660 for more info and availability.

MAIN FLOOR New, self-contained 2 bedrm suite, main floor of house. Arbutus and 20th. \$875/mo. Available Dec. 1. Call 737-8740 or 732-6131.

SHORT TERM RENTAL Bright, spacious ground floor, 2 bedrm apartment. Fully furnished and equipped, including piano, washer and dryer. Dec./Jan. till at least May, maximum late autumn. Ideal for visiting prof. N/S, N/P. Child welcome. \$1,000/mo. Tel. 228-0782.

ONE BEDROOM furnished apartment on Beach Ave. by English Bay. Partial view of mountains and water. Less than 100yd from entrance to Stanley Park. Available Jan. 10 to April 30 - dates flexible. \$750/mo. Tel. 687-4008 (Van.) or 384-7473 (Victoria).

TOWN HOUSE Large Kitsilano town house (2200 sq.ft.) beautifully furnished, view of English Bay, fireplace, all appliances, built in stereo. Avail. Jan., Feb., March. \$1500/mo. plus util. Call Harold Logan 732-8411.

CLOSE TO UBC 3 (or 4) bedrm fully furnished house in Sasamat/W. 12th Ave. area - close to UBC, shopping, entertainment, transportation - will be available Jan. 1995. Asking \$2,200/mo. incl. gardening, but not utilities. Long-term tenant (12-18 mos.) preferred. Philip Rodgers 240-4816.

WALK TO UBC Large luxury condo. 2 bedrm., 2 bath., furnished or unfurnished, gas fireplace, 2 secured parking stalls, exercise facilities, sauna, jacuzzi, sundeck. Short or long term. Avail. Dec. 1. \$1300/mo. Tel. 224-7542.

TROUT LAKE Sublet for Dec. and Jan., comfortable, 2 bedrm furnished, bright, spacious new apartment. Fireplace, jacuzzi, spectacular view. Very quiet, private area near Trout Lake Park. N/S, N/P. Call 875-0700.

Housing Wanted

FURNISHED HOUSE Mature professional couple on sabbatical seek furnished house, Jan. to April sometime (flexible). Non-smokers, no pets, no children. References available. Tel: (604) 224-3942.



Sesame Street Stars

Abe Heffer photo

About 25 youngsters ages 3 to 5 donned their Halloween best for an episode of *Sesame Street*, taped at UBC's Little Raven Daycare Centre on Oct. 31. Producer Cathy Chilco hopes to use the footage during an item exploring kids' fears about horror movies. More than 100 million children worldwide watch the award-winning children's program, now in its 23rd season.

United Way makes push toward campaign goal

by Abe Heffer

Staff writer

The 1994 UBC United Way campaign is into the final stretch and campaign chair Doug Napier is looking for your support to help push the campaign over the top.

"We're two-thirds of the way to our goal of \$315,000 and we want to thank those of you who have taken the time to fill out and return your pledge cards. Your support is much needed, and much appreciated," said Napier.

"If you've put away your pledge card for now, please take the time to fill it out. Or, if you've misplaced it, please call the campaign office at 822-0913. We'd be happy to get another one to you."

With United Way contributions helping provide valuable services to half a million Lower Mainland residents last year alone, Napier stressed the importance of each contribution.

"For example, two dollars a week doesn't buy you very much these days. However, the United Way does some pretty remarkable things with a contribution of two dollars a week through payroll deduction.

"It becomes 52, one-hour counselling and training sessions for an unemployed single mother, three nights shelter and meals for a homeless 62-year-old man, three days at summer camp for an eight-year-old youngster, and much more."

Napier said direct cash and cheque donations are also welcomed, as are donations charged to your VISA or Mastercard.

"By allowing United Way to direct your gift to where it is needed, you are choosing the way to help the most. You can also direct your gift to one of United Way's six fields of service, or designate part, or all, of your donation to a registered charity of your choice," he said.

"But we can't do it without you."

UBC administrators participate in conference on leadership

by Connie Filletti

Staff writer

The changing roles of university administrators was the focus of Leadership in Transition, a day-long conference held on campus Nov. 3.

Approximately 130 UBC administrators — including President David Strangway, vice-presidents, deans and department heads — participated in the event, designed to help them to deal with management issues and to provide leadership in their academic or professional areas.

"Growing responsibility for the human rights dimensions of UBC's operations is being added at all levels of administra-

tion," said Libby Nason, vice-provost and organizer of the event.

"The program planning committee also felt it was important to focus on introducing change to academic and professional units, including dealing with challenges that may arise and achieving consensus."

The conference was also designed to help participants focus on creativity in planning, Nason added.

Workshop topics included: due process in decision making; accommodating disability; checklist for women-positive institutions; hiring issues; creativity and strategic management; implementing curriculum change; credibility; tackling tough questions; and influencing the powers that be.

People

by staff writers

Municipal Affairs Minister Darlene Marzari has appointed Crane Library and Resource Centre Head **Paul Thiele** to the board of the British Columbia Library Foundation for a three-year term.

The foundation raises funds on behalf of public libraries in B.C.

Thiele will raise awareness of the need for more materials in alternate formats for readers who can not use regular print.

In addition, Thiele has accepted an invitation to serve on a task force for Sunny Hill Health Centre for Children to establish a province-wide resource centre for children on sexual development and sexual abuse.

Thiele will advise on materials in alternate formats, such as braille, recorded information, large type and captioned videos.

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The Social Sciences and Humanities Research Council has awarded UBC Library Bibliographer **Jennifer Forbes** a \$26,000 grant to strengthen the Library's research collection on the 19th century.

The acquisition program centres on the study of women in Britain, as reflected in their fiction, poetry, diaries, and autobiographical writings.

A secondary theme focuses on the relationship between women and literature, covering both the literary aspects of feminist criticism and autobiography as a literary genre.

Specific acquisitions include microfilm on the papers of Harriet Martineau from Birmingham University, the diaries and letters of Arthur J. Munby and Hannah Culwick from Trinity College, Cambridge, and the collected writings of Geraldine Jewsbury.

These acquisitions will be of interest to a wide range of researchers at UBC and neighbouring institutions, and will complement and strengthen the Library's existing holdings on the 19th century.



Forbes

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A UBC Chemistry professor who developed an instrument so sensitive that it can weigh the fragments of a molecule is being honoured by the world's largest organization of chemists for his achievement.

Chemistry Prof. **Melvin Comisarow** is the winner of the American Chemical Society Field/Franklin Award for Outstanding Spectrometry.



Comisarow

The award, shared with Alan Marshall of Florida State University, recognizes the development in Comisarow's UBC laboratory of Fourier transform ion cyclotron resonance (FT-ICR) mass spectrometry.

The Fourier transform technique revolutionized ion cyclotron mass spectrometry and today more than 160 such instruments are in use worldwide.

Mass spectrometers can cleave a molecule, weigh its fragments and then reconstruct its structure. The high accuracy of the FT-ICR instrument gives it significant advantages over other types of mass spectrometers.

"The FT-ICR mass spectrometer is a niche instrument, but because it is so powerful there are many niches for it," Comisarow said.

FT-ICR mass spectrometry is used by chemists to detect and identify molecules in complex mixtures like crude oil, by biologists to detect the structure of larger molecules such as single pieces of DNA, by engineers for quality control in the semiconductor industry, and by physicists who need more accurate measurements of atomic masses than other mass spectrometers can provide.

The award will be presented at a ceremony during the society's national meeting in Anaheim, Calif. next April. A day-long symposium will honour the award recipients.

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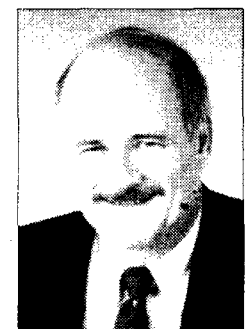
Larry Green, director of UBC's Institute of Health Promotion Research, is this year's recipient of the American Public Health Association's Award for Excellence.

Established in 1973, the award honours creative work of particular effectiveness in applying scientific knowledge or innovative organizational work to the betterment of community health.

Green, whose public health career spans 34 years, developed a model for planning and evaluating health promotion programs that is now used around the world.

A graduate of the University of California at Berkeley, he was the founding director of the Center for Health Promotion Research and Development at the University of Texas Health Science Center and was founding head of the Division of Health Education at the Johns Hopkins School of Hygiene and Public Health in Baltimore, Md.

The Award for Excellence was presented Nov. 1 at the association's annual meeting in Washington, D.C.



Green

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Bob Hindmarch, director of External Relations for Athletics and Sport Services, has been appointed head of the Vancouver Grizzlies' Ambassadors Program.

Hindmarch will serve as a consultant to help the Grizzlies in their efforts to reach the 12,500 season-ticket mark necessary to secure an NBA franchise for the 1995 season.

The Grizzlies need to sell approximately 5,000 more season tickets before the Dec. 31, 1994, league-imposed deadline.

Hindmarch will also assist the Grizzlies in their youth program as the club moves to strengthen its community ties.

Dental Hygiene Degree Completion Program

Program flexibility meets students' needs

by **Connie Filletti**

Staff writer

"Old dental hygienists never die; they just chip away."

It's an adage Jo Gardner fondly uses to describe herself and to explain why, at the age of 68, she's back in the classroom after almost 50 years.

Gardner graduated from the University of Oregon in 1947 with a diploma in dental hygiene, settled in Vancouver and embarked on a 45-year career in private practice, retiring in January, 1992.

By September, the Pender Harbour resident was enrolled as an unclassified student in the Faculty of Dentistry's newly inaugurated Dental Hygiene Degree Completion Program, the only one of its kind in Canada.

"I didn't have a vision of what my retirement would be like, but I thought I might do some gardening and finally learn how to play the piano," Gardner mused. "I never thought I would find myself in a classroom again."

She has since decided to earn her Bachelor's degree in Dental Science, primarily out of interest and because the program is structured to meet her personal and professional needs.

Gardner, and most of the other 12 students enrolled in the program, are working toward their degrees on a part-time basis, commuting from their home communities.

This is one student profile a task force in the Faculty of Dentistry was hoping to draw when it began designing the program five years ago.

"They had a fictitious person in mind the whole time they were designing the program," said Bonnie Craig, who became director of the Dental Hygiene Degree Completion Program in 1992.

"If they could say yes to criteria because it enabled that person to access the program, then that assisted their decision making."

The task force used the model of a single parent who lives out-of-town because many dental hygienists are women who fit that profile.

Of the students currently in the program, all are female and the majority live outside Vancouver, Craig said. One student is a resident of Halifax, N.S.

One way that half of the 60 credits needed to fulfill the program's degree requirements can be earned is by taking elective courses through UBC's Distance

Education Program, she explained.

Students do need to come to the UBC campus to complete the core or required courses with the undergraduate dental students.

Another one of the program's unique features is that students may take up to five years following initial registration to complete the program.

"Because many of our students are combining family and career with school, the program has been designed to allow them to go at a pace that fits their personal and professional life," Craig said.

"The core program only constitutes half of the credits so the students have

been very creative about how they put their elective courses together."

"What is exciting is that students plan their own program in consultation with the faculty. It is designed to be flexible and help people achieve their personal education goals," she added.

Craig is also excited by the opportunity that out-of-town students have to practice while they are at UBC completing core courses.

"Dental hygienists are in sufficient demand that part-time employment is available in Vancouver. This is a plus because it means that students do not have to totally forfeit their income."

Craig believes the UBC program is vital to the future growth of the dental hygiene profession.

"It is the only course in Canada at the undergraduate level designed specifically for dental hygienists. We are not focusing on it as an end point in itself," she said. "It is an important link between the diploma level and graduate degrees."

Craig said the faculty is currently testing the limits of what it can manage in terms of enrolment in the Dental Hygiene Degree Completion Program and is hoping that demand will establish an appropriate number.

Grad returns to UBC to recruit

by **Abe Heffer**

Staff writer

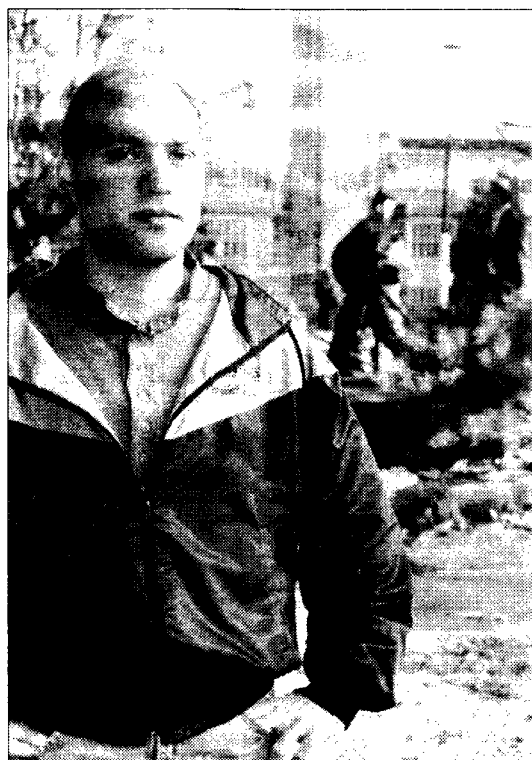
David Byng is going back to school for two days. And when he returns to his job as forest systems engineer at Western Forest Products, he could end up taking some graduating UBC students with him.

Byng is one of a number of UBC grads currently employed at Western Forest Products' timber harvesting operations around coastal B.C. The 25-year-old Campbell River native joined the forest company last July and is graduating from UBC with his Bachelor of Science in Forestry this month.

"Unfortunately, I won't be on campus for Congregation because of heavy work commitments," said Byng from his downtown Vancouver office.

"These past few months have been extremely busy ones in the forest industry. With the implementation of the provincial government's Forest Practices Code anticipated in February, B.C. forest companies are working hard to ensure a smooth transition."

However, Byng, along with fellow alumnus Dan Roberts, will be on campus Nov. 27-28 as Western Forest Products looks to UBC grads with skills in forest engineering to help fill a number of vacancies.



David Byng

Abe Heffer photo

"In general, job opportunities in forestry have been plentiful the last four or five years. As far as I'm concerned, you can't go wrong with a career in forestry."

"We'd certainly like to hear from qualified candidates."

Len Landrick, one of the company's area engineers, couldn't agree more.

"We've always been successful with

UBC students. I've worked with a number of them over the years," said Landrick.

"We're very fortunate to have someone with David's talents and abilities. He has brought with him valuable knowledge and information, especially in the area of computer software."

"When he came to us, he already had more computer skills than anyone else in our company."

It's the combination of academic and practical skills that has enabled Byng to land what he calls the perfect job. He singled out faculty members Jonathan Fannin, John Nelson and Glen Young for their abilities to bring out the best of him in the classroom. He also singled out Donna Goss, the faculty's student services co-ordinator, for her tireless efforts in helping secure summer employment for forestry students by keeping the faculty's job posting board full.

"It's important for students to combine their academics with practical work experience," said Byng.

"Two of my classmates work with me at Western Forest Products in Vancouver and a number are employed in the company's Jordan River and Port McNeill operations. All of us gained valuable practical experience through summer employment."

Access advisor undaunted by huge campus

by **Gavin Wilson**

Staff writer

John Lane, the physical access advisor with Campus Planning and Development, shakes his head in wonder at all the construction on campus.

"There's more going on here than in the entire city of Winnipeg," says the recent arrival from the Manitoba capital.

For Lane, that means a lot of work: A major part of his job is to make sure new campus buildings are accessible to people with a wide range of disabilities.

His two-year appointment, a secondment from the Disability Resource Centre, is the first full-time position dedicated to accessibility issues at UBC. Lane started in the position last month.

He is part of a team at Campus Planning that is responsible for enforcing building code requirements for accessibility in new construction.

Lane also intends to develop a process that will give Campus Planning and Development the ability to deal with disability-related planning and regulatory issues on an ongoing basis.

Part of his mandate is to look ahead



John Lane

Gavin Wilson photo

and be sure that what is built today will meet the university's requirements in the 21st century.

"When we go to a public event in the

next century, we will expect levels of acoustic standards and assistive listening systems that we don't dream of now, just as we expect wheelchair access today that would have raised eyebrows 20 years ago," he said.

"There is a strong commitment at UBC to address cutting-edge issues such as access for those with hearing impairments and visual disabilities. That's pretty exciting."

As well as anticipate the future, Lane has to deal with the legacy of the past — the 470 existing buildings on campus. UBC is a difficult place for people with disabilities to navigate, as Lane, who uses a wheelchair, is finding out for himself.

The campus sprawls across 400 hectares and many buildings were constructed in the '50s and '60s when architectural styles included plazas, split-level entries and vast expanses of steps.

"The campus is not as accessible as the community surrounding it," Lane said, "but the fact that I am here is a recognition that something has to happen."

Lane comes to UBC after serving 18 years as the executive director of the

Canadian Paraplegic Association of Manitoba. While there, he helped establish the Canadian Institute for Barrier-Free Design at the University of Manitoba, a joint initiative of the association, the university and the Manitoba Association of Architects.

Lane also served on the Manitoba Human Rights Commission for four years and has consulted on disability and rehabilitation issues in Nicaragua, Zimbabwe and Guyana.

Although advocacy is not the primary focus of his job at UBC, it is still important. If someone sees a need for a wheelchair ramp or finds an area that's not safe for those with visual impairments, Lane wants to hear about it. He also plans to sensitize university staff to access issues.

One message he would like to get across is that accessibility is a campus safety issue. Although usually considered in relation to crime, safety also means accident prevention, and that is a byproduct of a more accessible campus.

"I think the changes we will be making will result in a safer campus as well as a more convenient one."

"That will benefit everyone," he said.